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DLR

Session products – S₃ Irradiance forecasts

3 July 2012

ENDORSE



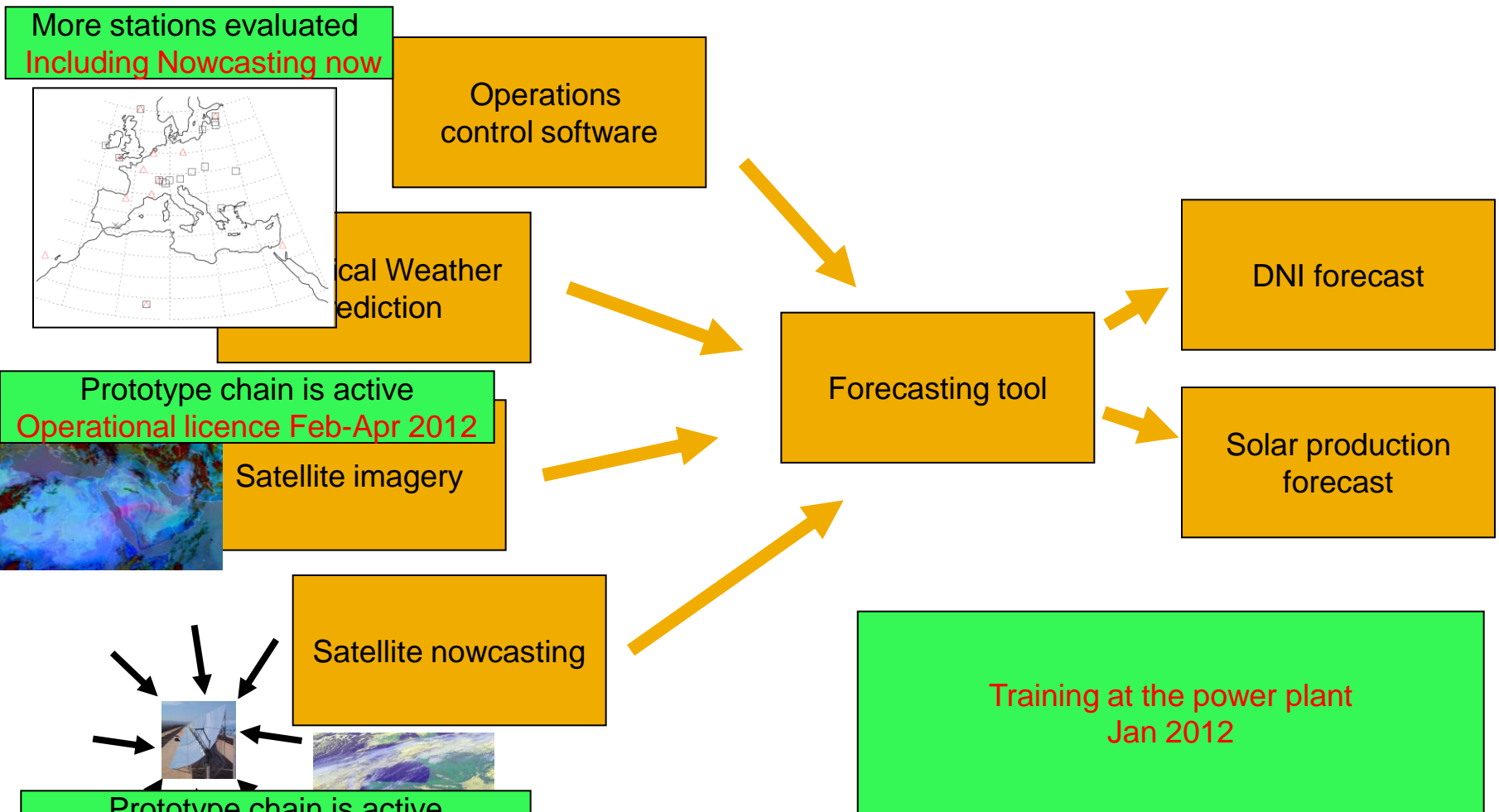
Overview

- Irradiance forecasts for electricity production
 - Focus on concentrating solar power plants
 - Enhance existing irradiance forecast services from meteorological service providers
 - Support development of electricity production forecast service



Source: DLR, Solar Millennium AG

Product status



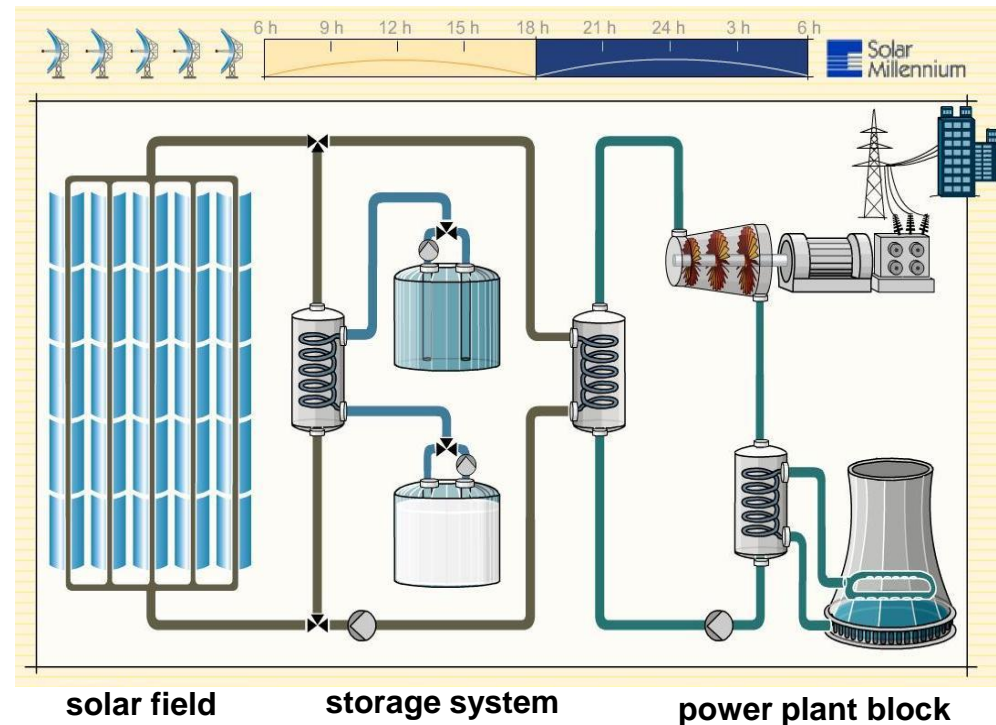
Summary and next steps

- Discuss results at other stations and based on nowcasting with Flagsol
- Look into ECMWF DNI runs based on new MACC aerosols

- Additional slides

Service

- Irradiance forecast
- As input for solar electricity forecast (Solar Millennium AG as operator)
- Make use of enhanced cloud and aerosol information provided by GMES
MACC/atmosphere services
- Include demonstrator with historical dataset in WDC-RSAT (World Data Center – Remote Sensing of the Atmosphere of WMO/ICSU)
- make knowledge available to the public and other market participants



Use of GMES service and space component

